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ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1988 STATEWIDE WATER QUALITY ASSESSMENT

*** WATERBODY ***

Page 1 of 5

Name of Waterbody: Rabbit Creek ID#: AK No 20401 007
 Type/Size: River/Stream 12 Miles *flows to Tunagain Arm* GS#: 3041
 Lake _____ Acres/Hectares HQW: Y N L M S
 Fresh Wetland _____ Acres/Hectares WQL: 0 - N
 Tidal Wetland _____ Acres/Hectares 1 - PS
 Estuary _____ Square Miles 2 - NPS
 Coastal Shoreline _____ Miles 3 - WQS
 Groundwater _____ Miles 4 - Con/Enf
 USGS Hydrological Unit #: 190-20401 [ADEC Use Only]
 Location or Lat/Long: Anchorage, AK *DT4 UR, SM,*

Is the waterbody in a national or state park, monument, refuge, preserve, or similar area?: Yes, No, Name _____

*** ASSESSMENT ***

Assessment Date: Yr 88 , Mo 04 / By James Cross MOA/DHHS
 Sampling: Begin Yr 85 , Mo 06 / End Yr _____ , Mo _____ / By _____
 Reference for Data: MOA/DHHS

Assessment Type: Assessment Category:
 1 Qualitative, land use sources Monitored (Data)
 1 Qualitative, complaints/2nd hand Evaluated (Judgement)
 2 Predictive models, unverified
 3 Calibrated models
 4 Fixed station data, Bio or Chem
 5 Effluent toxicity testing
 6 Limited site visit
 7 Intensive field Assessment

Next Planned Assessment: Yr _____ , Mo _____ / By _____

Comments: _____

Size-A Size-M Support Partial Not-Sup Cause-% Size-10 Size-No Why?

Meets Clean Water Act Goals:

<input checked="" type="checkbox"/> Fishable	<input type="checkbox"/> Swimmable
<input type="checkbox"/> Not Fishable	<input checked="" type="checkbox"/> Not Swimmable
<input type="checkbox"/> Fishable Not Attainable	<input type="checkbox"/> Swimmable Not Attainable

Impaired or Threatened Uses:

IMP THR - FRESHWATER	IMP THR - MARINE
<input checked="" type="checkbox"/> <input type="checkbox"/> Drinking	<input type="checkbox"/> <input type="checkbox"/> Aquaculture
<input type="checkbox"/> <input type="checkbox"/> Agriculture	<input type="checkbox"/> <input type="checkbox"/> Seafood Processing
<input type="checkbox"/> <input type="checkbox"/> Aquaculture	<input type="checkbox"/> <input type="checkbox"/> Industry
<input type="checkbox"/> <input type="checkbox"/> Industry	<input type="checkbox"/> <input type="checkbox"/> Recreation, Contact
<input checked="" type="checkbox"/> <input type="checkbox"/> Recreation, Contact	<input type="checkbox"/> <input type="checkbox"/> Recreation, Secondary
<input checked="" type="checkbox"/> <input type="checkbox"/> Recreation, Secondary	<input type="checkbox"/> <input type="checkbox"/> Fish, Shellfish, Wildlife
<input type="checkbox"/> <input type="checkbox"/> Fish, Shellfish, Wildlife	<input type="checkbox"/> <input type="checkbox"/> Harvest of Fish, Shellfish

Support of Designated Uses:

<input type="checkbox"/> All Uses Fully Supported, no sources present
<input type="checkbox"/> All Uses Fully Supported, sources present
<input type="checkbox"/> One or More Uses Threatened
<input checked="" type="checkbox"/> One or More Uses Partially Supported
<input type="checkbox"/> One or More Uses Not Supported

Trophic Status:	Trophic Trend:
<input type="checkbox"/> Oligatrophic	<input type="checkbox"/> Improving
<input type="checkbox"/> Mesatrophic	<input type="checkbox"/> Stable
<input type="checkbox"/> Eutrophic	<input type="checkbox"/> Deteriorating
<input type="checkbox"/> Hypereutrophic	
<input type="checkbox"/> Dystrophic	
<input type="checkbox"/> Unknown	

*** TOXICS ***

Monitored for Toxics: Yes , No

Types of Toxics Monitoring:

<input type="checkbox"/> 1 Organics in water column	<input type="checkbox"/> 10 Metals in sediments
<input type="checkbox"/> 2 Organics in sediments	<input type="checkbox"/> 11 Metals in fish tissue
<input type="checkbox"/> 3 Organics in fish tissue	<input type="checkbox"/> 12 Metals in discharges
<input type="checkbox"/> 4 Organics in discharges	<input type="checkbox"/> 13 Other inorganics in H2O col
<input type="checkbox"/> 5 Pesticides in water column	<input type="checkbox"/> 99 Other inorganics in sedimnt
<input type="checkbox"/> 6 Pesticides in sediments	<input type="checkbox"/> 99 Other inorganics in fish ts
<input type="checkbox"/> 7 Pesticides in fish tissue	<input type="checkbox"/> 14 Other inorganics in dscgs
<input type="checkbox"/> 8 Pesticides in discharges	<input type="checkbox"/> 15 Toxicity testing of water
<input type="checkbox"/> 9 Metals in water column	<input type="checkbox"/> 16 Toxicity testing of sediment
	<input type="checkbox"/> 17 Toxicity testing of dscgs

Pollutants: (H = High, M = Medium, S = Slight)

- __1 Unknown toxicity
- __2 Pesticides Type _____
- __3 Priority organics Type _____
- __4 Nonpriority organ Type _____
- __5 Metals Type _____
- __6 Ammonia
- __7 Chlorine
- __8 Other inorganics
- __9 Nutrients
- __10 pH
- S_11 Siltation **M**
- __12 Organic enrichment
- __13 Salinity/TDS/Chlor
- __14 Thermal modificatn
- __15 Flow alteration
- __16 Habitat alteration
- __17 Pathogens
- __18 Radiation
- __19 Oil and Grease
- __20 Taste and Odor
- S_21 Suspended solids
- __22 Noxious aqua plants
- __23 Filling and drain

Pollutant Categories: (H = High, M = Medium, S = Slight)

Point Sources

- __1 Industrial
- __2 Minicipal
- __3 Municipal pretreatment
- __4 Combined sewers
- S_5 Storm sewers

Nonpoint Sources

- 4** 9 Unspecified

Agriculture

- __11 Non-irrig crop production
- __12 Irrigated crop production
- __13 Specialty crop production
- __14 Pasture land
- __15 Range Land
- __16 Feedlots
- __17 Aquaculture
- S_18 Animal holding areas

Silviculture

- __21 Harvest, restoration
- __22 Forest management
- __23 Road construction/maint

Construction

- S_31 Highway/road/bridge
- S_32 Land development

Urban Runoff

- S_41 Storm sewers
- __42 Combined sewers
- S_43 Surface runoff

Source Unknown

- __90 Source unknown

Resource extraction/exploration

- __51 Surface mining
- __52 Subsurface mining
- __53 Placer mining
- __54 Dredge mining
- __55 Petroleum activities
- __56 Mill tailings
- __57 Mine tailings

Land Disposal (Permitted Activities)

- __61 Sludge
- __62 Wastewater
- __63 Landfills
- __64 Industrial land treatment
- __65 Onsite wastewater systems
- __66 Hazardous waste

Hydromodification

- __71 Channelization
- __72 Dredging
- __73 Dam Construction
- S_74 Flow regulation/modification
- __75 Bridge Construction
- S_76 Removal of riparian vegetation
- S_77 Streambank modification

Other

- __81 Atmospheric deposition
- __82 Waste storage/storage tank leaks
- __83 Highway maintenance and runoff
- __84 Spills
- __85 In-place contaminants
- __86 Natural
- __87 Recreational activities
- __88 Upstream impoundment
- __89 Septic tank seepage

Fish and Shellfish Contamination:

- 0 None detected
- 1 Contaminated fish
- 2 Fishing advisory
- 3 Fishing ban
- 4 Fish abnormalities
- 5 Shellfish restrictions due to pathogens
- 6 Fish kill

*** POINT AND NONPOINT SOURCES ***

1 NPDES Permit Number: _____
NPDES Permit Name: _____
Causes Nonattainment: Yes, No, Pollutant _____

2 NPDES Permit Number: _____
NPDES Permit Name: _____
Causes Nonattainment: Yes, No, Pollutant _____

3 NPDES Permit Number: _____
NPDES Permit Name: _____
Causes Nonattainment: Yes, No, Pollutant _____

1 Nonpoint Source Name: _____
Nonpoint Source Type: _____
Nonpoint Source Description: _____

2 Nonpoint Source Name: _____
Nonpoint Source Type: _____
Nonpoint Source Description: _____

3 Nonpoint Source Name: _____
Nonpoint Source Type: _____
Nonpoint Source Description: _____

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*** WATERBODY ***

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Name of Waterbody: Rabbit Creek

Type/Size: River/Stream 12 Miles *flows to Tunagain Arm*

Lake _____ Acres/Hectares

Fresh Wetland _____ Acres/Hectares

Tidal Wetland _____ Acres/Hectares

Estuary _____ Square Miles

Coastal Shoreline _____ Miles

Groundwater _____

USGS Hydrological Unit #: 190- 20401 *SE, ST*

Location or Lat/Long: 61° 04' 25" 149° 50' 15"

Is the waterbody in a national or state park, monument, refuge, preserve, or similar area?: Yes, No, Name Chugach State Park (headwaters only)

ID#: ^{AK} 190 20401 007

3041: N L M S

WQL: 0 - N

1 - PS

2 - NPS

3 - WQS

4 - Con/Enf

Stat: T U

[ADEC Use Only]

*** ASSESSMENT ***

Assessment Date: Yr 85, Mo 11 / By Marc Little *MOA - DHEP*

Sampling: Begin Yr 85, Mo 9 / End Yr 85, Mo 9 / By MOA - DHEP

Reference for Data: Memorandum on Lake/Stream monitoring Fall 1985 by Marc Little *MOA DHEP*

Basis for Assessment:

1 Qualitative, land use/sources

1 Qualitative, complaints/2nd hand

2 Predictive models, unverified

3 Calibrated models

4 Fixed station data, Bio or Chem

5 Effluent toxicity testing

6 Limited site visit

7 Intensive field assessment

Assessment Category: *(report in 'DATA' file)*

Monitored (Data)

Evaluated (Judgement)

Next Planned Assessment: Yr ___ , Mo ___ / By _____

Comments: 3 sites sampled for fecal coliform bacteria

Size-A Size-M Support Partial Not-Sup Cause-% Size-10 Size-No Why?

*** USE STATUS ***

Meets Clean Water Act Goals:

- Fishable
- Not Fishable
- Fishable Not Attainable
- Swimmable
- Not Swimmable ?
- Swimmable Not Attainable

Impaired or Threatened Uses:

IMP THR - FRESHWATER

- Drinking
- Agriculture
- Aquaculture
- Industry
- Recreation, Contact
- Recreation, Secondary
- Fish, Shellfish, Wildlife

IMP THR - MARINE

- Aquaculture
- Seafood Processing
- Industry
- Recreation, Contact
- Recreation, Secondary
- Fish, Shellfish, Wildlife
- Harvest of Fish, Shellfish

Support of Designated Uses:

- All Uses Fully Supported, no sources present
- All Uses Fully Supported, sources present
- One or More Uses Threatened
- One or More Uses Partially Supported
- One or More Uses Not Supported

Trophic Status:

- Oligotrophic
- Mesotrophic
- Eutrophic
- Hypereutrophic
- Dystrophic
- Unknown

Trophic Trend:

- Improving
- Stable
- Deteriorating

*** TOXICS ***

Monitored for Toxics: Yes , No

Type of Toxics Monitoring:

- 1 Organics in water column
- 2 Organics in sediments
- 3 Organics in fish tissue
- 4 Organics in discharges
- 5 Pesticides in water column
- 6 Pesticides in sediments
- 7 Pesticides in fish tissue
- 8 Pesticides in discharges
- 9 Metals in water column
- 10 Metals in sediments
- 11 Metals in fish tissue
- 12 Metals in discharges
- 13 Other inorganics in water column
- 99 Other inorganics in sediments
- 99 Other inorganics in fish tissue
- 14 Other inorganics in discharges
- 15 Toxicity testing of water column
- 16 Toxicity testing of sediments
- 17 Toxicity testing of discharges

*** NONATTAINMENT CAUSES ***

Pollutants: (H = High, M = Medium, S = Slight)

- | | | |
|---|---|--|
| <input type="checkbox"/> 1 Unknown toxicity | | |
| <input type="checkbox"/> 2 Pesticides | Type _____ | |
| <input type="checkbox"/> 3 Priority organics | Type _____ | |
| <input type="checkbox"/> 4 Nonpriority organics | Type _____ | |
| <input type="checkbox"/> 5 Metals | Type _____ | |
| <input type="checkbox"/> 6 Ammonia | <input type="checkbox"/> 12 Organic enrichment | <input type="checkbox"/> 18 Radiation |
| <input type="checkbox"/> 7 Chlorine | <input type="checkbox"/> 13 Salinity/TDS/Chlorine | <input type="checkbox"/> 19 Oil and Grease |
| <input type="checkbox"/> 8 Other inorganics | <input type="checkbox"/> 14 Thermal modifications | <input type="checkbox"/> 20 Taste and Odor |
| <input type="checkbox"/> 9 Nutrients | <input type="checkbox"/> 15 Flow alteration | <input type="checkbox"/> 21 Suspended solids |
| <input type="checkbox"/> 10 pH | <input type="checkbox"/> 16 Habitat alteration | <input type="checkbox"/> 22 Noxious aquatic plants |
| <input type="checkbox"/> 11 Siltation | <input checked="" type="checkbox"/> 17 Pathogens | <input type="checkbox"/> 23 Filling and draining |

Sources of Pollutants: (H = High, M = Medium, S = Slight)

Point Sources

- 1 Industrial
- 2 Municipal
- 3 Municipal pretreatment
- 4 Combined sewers
- 5 Storm sewers

Nonpoint Sources

- 9 Unspecified

Agriculture

- 11 Non-irrigated crop production
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- 15 Range land
- 16 Feedlots
- 17 Aquaculture
- 18 Animal holding areas

Silviculture

- 21 Harvest, restoration
- 22 Forest management
- 23 Road construction/maintenance

Construction

- 31 Highway/road/bridge
- 32 Land development

Urban Runoff

- 41 Storm sewers
- 42 Combined sewers
- 43 Surface runoff

Source Unknown

- 90 Source Unknown

Resource extraction/exploration

- 51 Surface mining
- 52 Subsurface mining
- 53 Placer mining
- 54 Dredge mining
- 55 Petroleum activities
- 56 Mill tailings
- 57 Mine tailings

Land Disposal (Permitted Activities)

- 61 Sludge
- 62 Wastewater
- 63 Landfills
- 64 Industrial land treatment
- 65 Onsite wastewater systems
- 66 Hazardous waste

Hydromodification

- 71 Channelization
- 72 Dredging
- 73 Dam construction
- 74 Flow regulation/modification
- 75 Bridge construction
- 76 Removal of riparian vegetation
- 77 Streambank modification

Other

- 81 Atmospheric deposition
- 82 Waste storage/storage tank leaks
- 83 Highway maintenance and runoff
- 84 Spills
- 85 In-place contaminants
- 86 Natural
- 87 Recreational activities
- 88 Upstream impoundment
- 89 Septic tank seepage

*** FISH AND SHELLFISH CONTAMINATION ***

Fish and Shellfish Contamination:

- 0 None detected
- 1 Contaminated fish
- 2 Fishing advisory
- 3 Fishing ban
- 4 Fish abnormalities
- 5 Shellfish restrictions due to pathogens
- 6 Fish kill

*** POINT AND NONPOINT SOURCES ***

Point Sources:

- 1 NPDES Permit Number: _____
NPDES Permit Name: _____
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- 2 NPDES Permit Number: _____
NPDES Permit Name: _____
Causes Nonattainment: Yes , No , Pollutant _____
- 3 NPDES Permit Number: _____
NPDES Permit Name: _____
Causes Nonattainment: Yes , No , Pollutant _____

Nonpoint Sources:

- 1 Nonpoint Source Name: _____
Nonpoint Source Type: _____
Nonpoint Source Description: _____

- 2 Nonpoint Source Name: _____
Nonpoint Source Type: _____
Nonpoint Source Description: _____

- 3 Nonpoint Source Name: _____
Nonpoint Source Type: _____
Nonpoint Source Description: _____

*** COMMENTS ***

[Including extent of impairment of uses; significance of impacts on public health and the environment; water quality trend; efforts to control pollutants; current priority for developing pollutant controls; and adequacy of data]

	range	
Fecal coliform count	4 - 50 col. / 100 ml.	-
Fecal streptococcus count	50 - 400 col. / 100 ml.	-

May 1989

304(l) LongList based on DGS info + conclusions

D Sturdevant

6-5-89